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Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	08939844
				Filing Date	Sept. 29, 1997
				First Named Inventor	Kannan V. Ramanathan
				Group Art Unit	1753
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	NREL IR# 97-10

Examiner Signature		Date Considered	12/98
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(use as many sheets as necessary)**

## Sheet

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of

***Complete if Known***

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**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
J.M.C.		ARANOVICH, Optical and Electrical Properties of ZnO Films Prepared by Spray Pyrolysis for Solar Cell Applications, J. Vac. Sci. Technol., Vol. 16, No 4, p.p. 994-1007, July 1979.	
J.M.C.		TOMAR, A ZnO/p-CuInSe <sub>2</sub> Thin Film Solar Cell Prepared Entirely by Spray Pyrolysis, Thin Solid Films, 90, p.p. 419-423, 1982.	

Examiner  
Signature

Mr. C. F.

**Date  
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